

OLYMPUS®

Your Vision, Our Future

ENDOSCOPE REPROCESSOR

OER-Pro

Easier, Faster, Reliable



Olympus Endoscope Reprocessor

**The only reprocessor designed by
an endoscope manufacturer.**

With its combined expertise and knowledge,
Olympus has developed a dual-scope
reprocessor designed to assure the best
possible reprocessing outcome for your
Olympus flexible endoscopes.

High-level disinfection of
Olympus flexible endoscopes
and accessories



By taking advantage of our years of experience and know-how in the manufacture of endoscopes, Olympus provides high-level disinfection of your Olympus flexible endoscope and accessories such as valves.



ENDOSCOPE REPROCESSOR

OER-Pro

Easier, Faster, Reliable

- *Compact and Smart Design*
- *Quick Reprocessing Time*
- *Modified Manual Cleaning Flow*
- *Automated Scope ID System*

Easier, Faster, Reliable — The Ideal Reprocessor for Your Olympus Flexible Endoscopes

Compact and Smart Design

Smart configuration in a compact 18-inch wide design. Half the size of earlier reprocessors. Helps ease operation and installation, while minimizing space requirements. Also equipped with casters for increased mobility and accessibility.



18 inches



Visual detection

The operator can visually verify that there is fluid flow to the endoscope channel connectors.

Highly engineered stainless steel basin

Eliminates costly replacements due to cracking.

Two ergonomic control panels



The main control panel is simple and easy to use; it supports routine operation. The subcontrol panel is for optional functions.

Basin lid can be opened at the press of the foot pedal

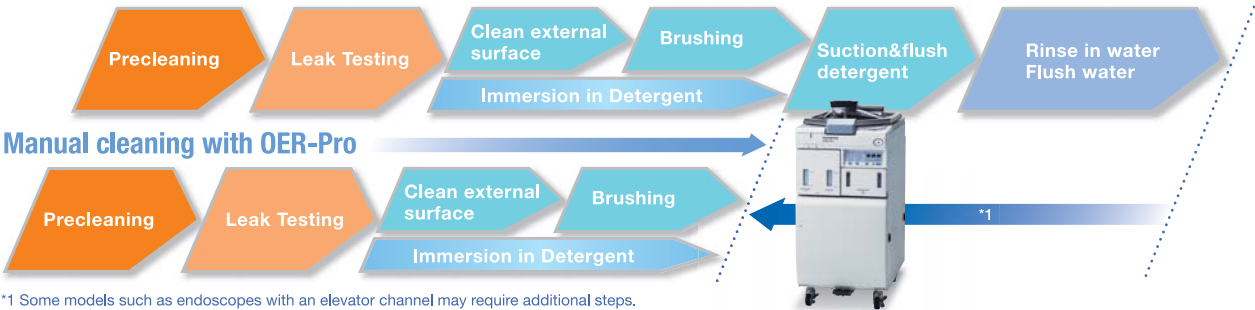
The basin lid is kept locked during operation to prevent accidental exposure, spills or splashing.



Modified Manual Cleaning Flow

Easier and faster cleaning process, which eliminates some manual cleaning steps including flushing associated with the repetitive use of a syringe, and reduces the amount of work involved in suctioning and flushing as well as the need to have detergent ready in the reprocessing room.

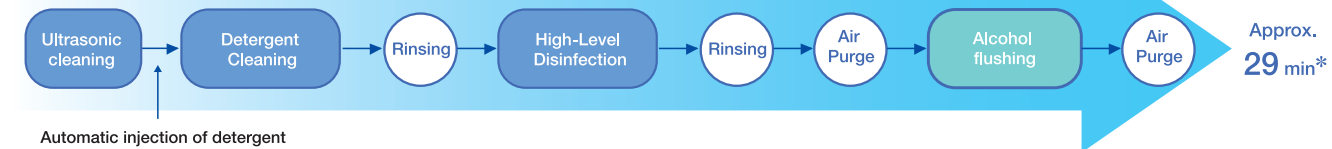
Manual cleaning with conventional reprocessor



Quick Reprocessing Time $\div 29$ min

The OER-Pro can simultaneously reprocess two flexible endoscopes in 29 minutes.

Cleaning/Disinfection Schematic

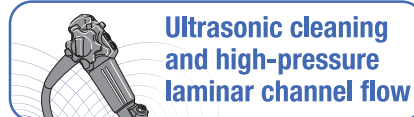


* Based on water-supply conditions set by Olympus. Actual performance may vary depending on local conditions.



Dual scope processing*

OER-Pro can simultaneously reprocess two flexible endoscopes.
*Simultaneous reprocessing of two scopes may not be possible with some scope configurations.



Ultrasonic cleaning and high-pressure laminar channel flow

The combination of the advanced technology with a specially formulated dedicated detergent supports the overall cleaning process.



Automatic disinfection of endoscopic valves

High-level disinfection of the Olympus endoscopic valves is achieved using the OER-Pro.

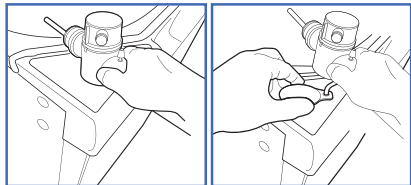
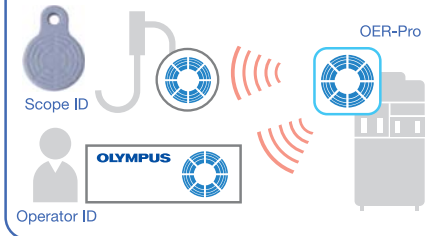
Automatic alcohol flushing

Fully automated alcohol flush to enhance endoscope drying.

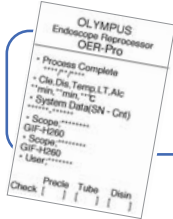
Automated Scope ID System

Equipped with a simple-to-use RFID* management system, which automatically records the scope serial and model numbers, operator, and time of reprocessing to eliminate cumbersome manual input from a keypad or barcode. Also compatible with the scope ID function of an EXERA II scope.

Advanced RFID management system



The scope reprocessing information includes the operator ID, the cycle date/time, and the machine serial number.



Printer to document usage history

The OER-Pro printer makes quality control, tracking, and reprocessing compliance easier. Print details can be output after each cycle or at the end of the day.

*RFID : Stands for Radio Frequency Identification.



Protection Features

Filters to keep air and water clean

OER-Pro is equipped with an internal 0.2-micron bacterial retentive water filter, and a 0.2-micron air filter. Available external prefilters can extend the life and reduce the replacement cost of the internal 0.2 micron filter.

Works with regular power supply

OER-Pro can be operated with a readily available 120V/60Hz power source; eliminating the need for a higher voltage power source. Special electrical or plumbing utilities are not required.

Various cycles available

OER-Pro has separate optional single rinse, air purge or alcohol flush cycles available.

Filters to suppress chemical vapors

OER-Pro's charcoal filters support disinfectant chemical vapor management, and can be easily replaced.

Gas Filters

Water Filter

Air Filter



OER-Pro Sensor Technology:

To streamline operations and ensure reliable performance, the OER-Pro is designed to perform the following automatic detection functions. It also immediately and automatically shuts down operation if a leak is detected in the machine.

1 **Alcohol Sensor** detects alcohol availability for automatic injection into the scope channels.

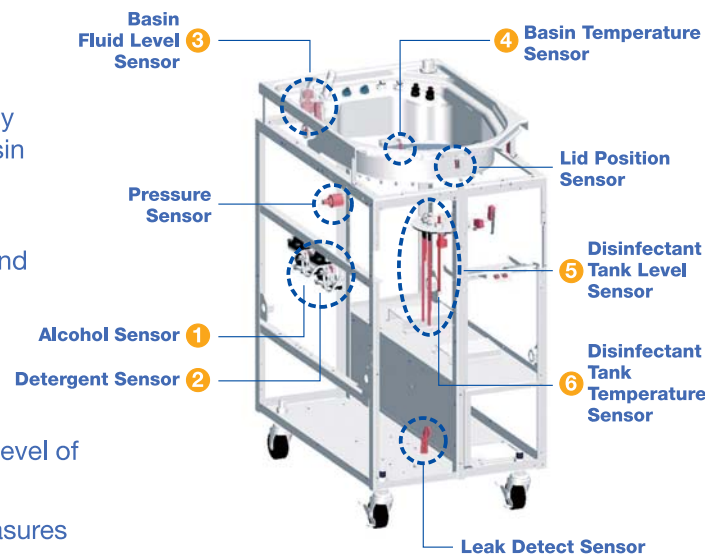
2 **Detergent Sensor** detects detergent availability for automatic injection into the reprocessing basin of the OER-Pro.

3 **Basin Fluid Level Sensor** detects fluid levels in the basin to support appropriate fluid levels and prevent accidental overflow.

4 **Basin Temperature Sensor** detects the temperature of the chemical in the basin and supports any necessary heating.

5 **Disinfectant Tank Level Sensor** detects the level of disinfectant in the tank.

6 **Disinfectant Tank Temperature Sensor** measures the disinfectant chemical temperature.



Operating environment

| | |
|----------------------|---|
| Ambient temperatures | 10 - 40°C (50 – 140°F) |
| Relative Humidity | 30 - 85% |
| Water supply flow | 17 L/min. or more when the faucet is fully open |

| | |
|--------------------------|------------------------|
| Water supply pressure | Between 0.1 to 0.5 MPa |
| Water supply temperature | Max. 28°C (82°F) |

Specifications

| | |
|----------------------------------|--|
| Applicable scopes | Olympus flexible endoscopes (Consult Olympus sales representative for details.) |
| Number of reprocessed endoscopes | Max. 2 (1 with certain models) |
| Cleaning method | Exterior surfaces: Ultrasonic cleaning, turbulent bath Channel interiors: Fluid flushing Valves: Ultrasonic cleaning, fluid flushing |
| Disinfection method | Exterior surfaces: Disinfectant solution immersion Channel interiors: Disinfectant solution flushing and filling Valves: Disinfectant solution immersion |
| Cleaning time setting | 3 – 10 minutes (Setting variable in 1 min. increments) |
| Disinfection time setting | 10 minutes |
| Disinfectant solution | 20°C (68°F) (If the temperature of disinfectant solution is below 20°C, it is heated to 20°C (68°F.) heating setting) |

| | |
|--|---|
| Disinfectant solution heating method | Built-in heater in the reprocessing basin. ① Heating immediately before disinfection process in a reprocessing program ② Heating before the start of a reprocessing program |
| Water discharge method | Forced draining using a pump (Floor draining) |
| Disinfectant solution discharge method | ① Draining through disinfectant collection hose ② Draining through drain hose |
| Reprocessing basin capacity | Approximately 14 L |
| Disinfectant solution tank capacity | Approximately 17.5 L |
| Disinfectant solution | Aldahol (Olympus-validated disinfectant solution) |
| Detergent | EndoQuick (Olympus-validated detergent) |
| Visual leakage detection | Bubble detection during immersion |
| Alcohol flushing | Automatic flushing/draining using a pump and compressor |
| Dimensions | 450(W) x 977(H) x 765(D) mm |
| Weight | 120 kg dry condition |
| Power supply | Voltage: 120 VAC Frequency: 60 Hz Input current: 5.5 A Voltage fluctuation: ± 10% |
| Medical device classification | Protection against electric impact: Class I |

Accessories



EndoQuick
Alkaline Detergent
Formulated specifically for use with Olympus endoscope reprocessors.



Air Filter: MAJ-823
Eliminates contaminants suspended in air.
Water Filter: MAJ-824
Bacteria-retentive.
Gas Filter: MAJ-822
Charcoal filter absorbs disinfectant vapors.



Print Paper: MAJ-1497
Replacement paper for the printer. One pack contains 10 rolls.



Scope ID tag: MAJ- 1545
ID chip: MAJ-1546
Stores scope serial number and operator information identification required for reprocess data management.



Connector Hanger: MAJ-865
Designed to hold a scope connector, the connector hanger can be mounted on either side of the OER-Pro. Suspending the scope connector on this hanger before placing the scope inside the reprocessing basin helps prevent the scope tip from bumping against anything.



Aldahol
High Level Disinfectant
The uniquely formulated glutaraldehyde based liquid chemical germicide.



3M Comply Test Strip



Connecting Tubes
For feeding water or solution into the channels of scopes.

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.



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www.olympus.com